

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 1 of 10

1. Identification
Product identifier

DEKAPREN 1023

Recommended use of the chemical and restrictions on use
Use of the substance/mixture

Sizing agent

Uses advised against

No further relevant information available.

Details of the supplier of the safety data sheet
Manufacturer

| | | |
|-------------------------|----------------------|--------------------------------|
| Company name: | DINOL GmbH | |
| Street: | Pyrmonter Strasse 76 | |
| Place: | D-32676 Luegde | |
| Telephone: | + 49 (0) 5281 982980 | Telefax: + 49 (0) 5281 9829860 |
| E-mail: | msds@dinol.com | |
| Contact person: | Labor | |
| Internet: | www.dinol.com | |
| Responsible Department: | msds@dinol.com | |

Supplier

| | | |
|---------------|----------------------------------|-----------------------|
| Company name: | DINOL U.S. Inc. | |
| Street: | 8500 Cotter Street, Lewis Center | |
| Place: | USA-43035 Ohio | |
| Telephone: | 740-548-1656 | Telefax: 740-548-1657 |
| E-mail: | info@dinolus.com | |
| Internet: | www.dinol.com | |

Emergency phone number: 3E Company Emergency +1-866-404-4230

2. Hazard(s) identification
Classification of the chemical
29 CFR Part 1910.1200

Flammable liquids: Category 2

Serious eye damage/eye irritation: Category 2A

Specific target organ toxicity single exposure: Category 3 (narcotic effects)

Label elements
29 CFR Part 1910.1200
Signal word: Danger

Pictograms:

Hazard statements

Highly flammable liquid and vapor

Causes serious eye irritation

May cause drowsiness or dizziness

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 2 of 10

Read label before use.
 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
 Take precautionary measures against static discharge.
 Wear protective gloves/protective clothing/eye protection/face protection.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 Store in a well-ventilated place. Keep cool.
 Store locked up.

Hazards not otherwise classified

Endocrine disrupting properties: butanone; ethyl methyl ketone.
 No information available.

3. Composition/information on ingredients

Mixtures

Relevant ingredients

| CAS No | Components | Quantity |
|----------|----------------------------------|----------|
| 67-64-1 | acetone; propan-2-one; propanone | 45 % |
| 78-93-3 | butanone; ethyl methyl ketone | 45 % |
| 141-78-6 | ethyl acetate | 4.9 % |

Further Information

Full text of H statements: see section 16.

4. First-aid measures

Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical advice.
 Never give anything by mouth to an unconscious person or a person with cramps.
 If unconscious but breathing normally, place in recovery position and seek medical advice.

After inhalation

Remove casualty to fresh air and keep warm and at rest.

After contact with skin

Change contaminated clothing.
 After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing. Seek medical advice immediately.

After ingestion

If swallowed, rinse mouth with water (only if the person is conscious).
 Do NOT induce vomiting.
 Call a physician immediately.
 Put victim at rest, cover with a blanket and keep warm.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No information available.

5. Fire-fighting measures

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 3 of 10

Extinguishing media**Suitable extinguishing media**alcohol resistant foam, Carbon dioxide (CO₂), Extinguishing powder,**Unsuitable extinguishing media**

High power water jet. water

Specific hazards arising from the chemical

No further relevant information available.

Special protective equipment and precautions for fire-fighters

Use appropriate respiratory protection.

Additional information

Use water spray/stream to protect personnel and to cool endangered containers. Suppress gases/vapors/mists with water spray jet.

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures**Personal precautions, protective equipment and emergency procedures****General advice**

Provide adequate ventilation.

Wear personal protection equipment.

Avoid contact with skin, eyes and clothes.

Avoid breathing dust/fume/gas/mist/vapors/spray.

For emergency responders

For further specification, refer to section 8 of the SDS.

Environmental precautions

Do not allow to enter into surface water or drains.

Methods and material for containment and cleaning up**For containment**

Prevent spread over a wide area (e.g. by containment or oil barriers).

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Treat the recovered material as prescribed in the section on waste disposal.

For cleaning up

Provide adequate ventilation.

Clear contaminated areas thoroughly.

Do not rinse down with water.

Other information

No information available.

Reference to other sections

Safe handling: see section 7

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage**Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used.

Do not breathe gas/fume/vapor/spray.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

Take precautionary measures against static discharges.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 4 of 10

Advice on general occupational hygiene

The usual precautionary measures are to be adhered to when handling chemicals.
 Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately.
 Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink.

Conditions for safe storage, including any incompatibilities
Requirements for storage rooms and vessels

Store in a cool dry place.

Hints on joint storage

Not required.

Further information on storage conditions

Keep container tightly closed.
 Keep in a cool, well-ventilated place.

8. Exposure controls/personal protection
Control parameters
Exposure limits

| CAS No | Substance | ppm | mg/m ³ | Category | Origin |
|----------|----------------------------------|------|-------------------|---------------|------------|
| 78-93-3 | 2-Butanone (Methyl ethyl ketone) | 200 | 590 | TWA (8 h) | PEL |
| 78-93-3 | 2-Butanone | 200 | 590 | TWA (8 h) | REL |
| | | 300 | 885 | STEL (15 min) | REL |
| 67-64-1 | Acetone | 1000 | 2400 | TWA (8 h) | PEL |
| | | 250 | 590 | TWA (8 h) | REL |
| | | 250 | 594 | TWA (8 h) | ACGIH-2025 |
| | | 500 | 1187 | STEL (15 min) | ACGIH-2025 |
| 141-78-6 | Ethyl acetate | 400 | 1400 | TWA (8 h) | PEL |
| | | 400 | 1400 | TWA (8 h) | REL |
| | | 400 | 1440 | TWA (8 h) | ACGIH-2025 |
| 78-93-3 | Methyl ethyl ketone | 75 | | TWA (8 h) | ACGIH-2025 |
| | | 150 | | STEL (15 min) | ACGIH-2025 |

Biological Exposure Indices (BEI-ACGIH)

| CAS No | Substance | Determinant | Value | Test material | Sampling time |
|---------|---------------------|---------------------|---------|---------------|---------------|
| 67-64-1 | ACETONE | Acetone | 25 mg/L | urine | End of shift |
| 78-93-3 | METHYL ETHYL KETONE | Methyl ethyl ketone | 2 mg/L | urine | End of shift |

Exposure controls

Appropriate engineering controls

Provide adequate ventilation.
 If handled uncovered, arrangements with local exhaust ventilation should be used if possible.
 If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 5 of 10

Individual protection measures, such as personal protective equipment

Eye/face protection

Eye glasses with side protection (DIN EN 166)

Hand protection

Recommended glove articles

FKM (fluoro rubber), Breakthrough time:: 480 min.

NBR (Nitrile rubber), Breakthrough time:: 480 min.

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Protective gloves have to be replaced at the first sign of deterioration.

Protect skin by using skin protective cream.

Skin protection

Wear anti-static footwear and clothing

Respiratory protection

Work in well-ventilated zones or use proper respiratory protection.

gas filtering equipment (EN 141)., Filter material/medium: AX

9. Physical and chemical properties

Information on basic physical and chemical properties

| | |
|------------------|--------------------------|
| Physical state: | Liquid |
| Color: | light yellow transparent |
| Odor: | characteristic |
| Odour threshold: | not determined |

Test method

| | |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| Melting point/freezing point: | not determined |
| Boiling point or initial boiling point and boiling range: | 56 °C |
| Flammability: | not applicable |
| Lower explosion limits: | 1,8 vol. % |
| Upper explosion limits: | 13 vol. % |
| Flash point: | - 17 °C |
| Auto-ignition temperature: | > 450 °C |
| Decomposition temperature: | not determined |
| pH-Value: | The study does not need to be conducted because the substance is known to be insoluble in water. |
| Viscosity / kinematic: | not determined |
| Water solubility: | Immiscible |
| Solubility in other solvents | not determined |
| Partition coefficient n-octanol/water: | not determined |
| Vapor pressure: | 240 hPa |
| (at 20 °C) | |
| Vapor pressure: | 828 hPa |
| (at 50 °C) | |
| Density (at 20 °C): | 0,92 g/cm ³ DIN 51757 |
| Relative vapour density: | not determined |
| Particle characteristics: | not applicable |

Other information

Information with regard to physical hazard classes

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 6 of 10

Explosive properties

not determined

Sustained combustibility:

No data available

Self-ignition temperature

Solid:

not self-igniting

Gas:

not self-igniting

Oxidizing properties

not determined

Other safety characteristics

Solvent content:

61,7 %

Solid content:

38,4 %

Softening point:

not determined

Viscosity / dynamic:

7000 mPa·s

(at 20 °C)

Further Information

No information available.

10. Stability and reactivity
Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

Stability:

Stable

The product is stable under storage at normal ambient temperatures.

Possibility of hazardous reactions

Hazardous reactions:

Will not occur

No known hazardous reactions.

Conditions to avoid

No further relevant information available.

Incompatible materials

No information available.

Hazardous decomposition products

Carbon monoxide

Further information

No further relevant information available.

11. Toxicological information
Route(s) of Entry

No information available.

Information on toxicological effects
Acute toxicity

Based on available data, the classification criteria are not met.

ATEmix calculated

ATE (oral) > 5000 mg/kg; ATE (dermal) > 2000 mg/kg; ATE (inhalation vapour) > 50 mg/l; ATE (inhalation dust/mist) > 5 mg/l

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 7 of 10

| CAS No | Components | | | | |
|----------|----------------------------------|-----------------------|---------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 67-64-1 | acetone; propan-2-one; propanone | | | | |
| | oral | LD50 5800 mg/kg | Rat | RTECS | |
| | dermal | LD50 7426-15800 mg/kg | Rabbit | IUCLID | |
| | inhalation (4 h) vapour | LC50 76 mg/l | Rat | | |
| 78-93-3 | butanone; ethyl methyl ketone | | | | |
| | oral | LD50 3300 mg/kg | Rat | | |
| | dermal | LD50 5000 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 12 mg/l | Rat | | |
| 141-78-6 | ethyl acetate | | | | |
| | oral | LD50 5620 mg/kg | Rat | | |
| | dermal | LD50 >20000 mg/kg | Rabbit | | |
| | inhalation (4 h) vapour | LC50 50 mg/l | Rat | | |

Irritation and corrosivity

Serious eye damage/eye irritation: Causes serious eye irritation

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitizing effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive toxicity: Based on available data, the classification criteria are not met.

Specific target organ toxicity (STOT) - single exposure

May cause drowsiness or dizziness (acetone; propan-2-one; propanone; butanone; ethyl methyl ketone)

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

Specific effects in experiment on an animal

No information available.

Additional information on tests

No information available.

Practical experience

No information available.

Information on other hazards
Endocrine disrupting properties

Endocrine disrupting properties: butanone; ethyl methyl ketone.

Endocrine disrupting potential No information available.

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 8 of 10

Further information

There are no data available on the preparation/mixture itself.

12. Ecological information
Persistence and degradability

There are no data available on the mixture itself.

Bioaccumulative potential

There are no data available on the mixture itself.

Mobility in soil

There are no data available on the mixture itself.

Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Other adverse effects

No information available.

Further information

There are no data available on the mixture itself.

13. Disposal considerations
Waste treatment methods
Disposal recommendations

 Dispose of waste according to applicable legislation.
 Do not mix with other wastes.

Contaminated packaging

Dispose according to legislation.

14. Transport information
U.S. DOT 49 CFR 172.101

| | |
|-------------------------------------------|-----------|
| <u>UN number or ID number:</u> | UN 1133 |
| <u>Proper shipping name:</u> | ADHESIVES |
| <u>Transport hazard class(es):</u> | 3 |
| <u>Packing group:</u> | II |
| Hazard label: | 3 |


Marine transport (IMDG)

| | |
|-------------------------------------------|-----------|
| <u>UN number or ID number:</u> | UN 1133 |
| <u>UN proper shipping name:</u> | ADHESIVES |
| <u>Transport hazard class(es):</u> | 3 |
| <u>Packing group:</u> | II |
| Hazard label: | 3 |



| | |
|---------------------|-----|
| Marine pollutant: | no |
| Special Provisions: | - |
| Limited quantity: | 5 L |

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 9 of 10

Excepted quantity: E2
 EmS: F-E, S-D

Other applicable information (marine transport)

Protect against:

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number: UN 1133
UN proper shipping name: ADHESIVES
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Special Provisions: A3
 Limited quantity Passenger: 1 L
 Passenger LQ: Y341
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 353
 IATA-max. quantity - Passenger: 5 L
 IATA-packing instructions - Cargo: 364
 IATA-max. quantity - Cargo: 60 L

Other applicable information (air transport)

Protect against:

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

Special precautions for user

Warning: Flammable liquids

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

15. Regulatory information
U.S. Regulations
National Inventory TSCA

Substance/product listed in the following inventories: TSCA

National regulatory information

SARA Section 304 CERCLA:

Acetone (67-64-1): Reportable quantity = 5,000 (2270) lbs. (kg)
 Methyl ethyl ketone (78-93-3): Reportable quantity = 5,000 (2270) lbs. (kg)
 Ethyl acetate (141-78-6): Reportable quantity = 5,000 (2270) lbs. (kg)

SARA Section 311/312 Hazards:

Acetone (67-64-1): Fire hazard, Immediate (acute) health hazard
 Methyl ethyl ketone (78-93-3): Fire hazard, Immediate (acute) health hazard
 Ethyl acetate (141-78-6): Fire hazard, Immediate (acute) health hazard

Clean Air Act Section 112(b):

Methyl ethyl ketone (78-93-3)

State Regulations
Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product can not expose you to chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

Directive 2004/42/EC on VOC in 61,65 %
 paints and varnishes: 567,2 g/l

Safety Data Sheet

according to 29 CFR 1910.1200(g)

DEKAPREN 1023

Revision date: 04/23/2026

Product code: 1023

Page 10 of 10

This mixture contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: none

16. Other information

Hazardous Materials Identification System (HMIS)

| | |
|------------------|---|
| Health: | 2 |
| Flammability: | 3 |
| Physical Hazard: | 0 |

NFPA Hazard Ratings

| | |
|----------------|------|
| Health: | 2 |
| Flammability: | 3 |
| Reactivity: | 0 |
| Unique Hazard: | none |



Changes

| | |
|----------------|------------|
| Revision date: | 04/23/2026 |
| Revision No: | 1,7 |

This data sheet contains changes from the previous version in section(s): 2,11,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
 (European Agreement concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service
 LC50: Lethal concentration, 50%
 LD50: Lethal dose, 50%

Other data

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

This safety data sheet contains only safety-related information and does not replace product information or product specifications.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)